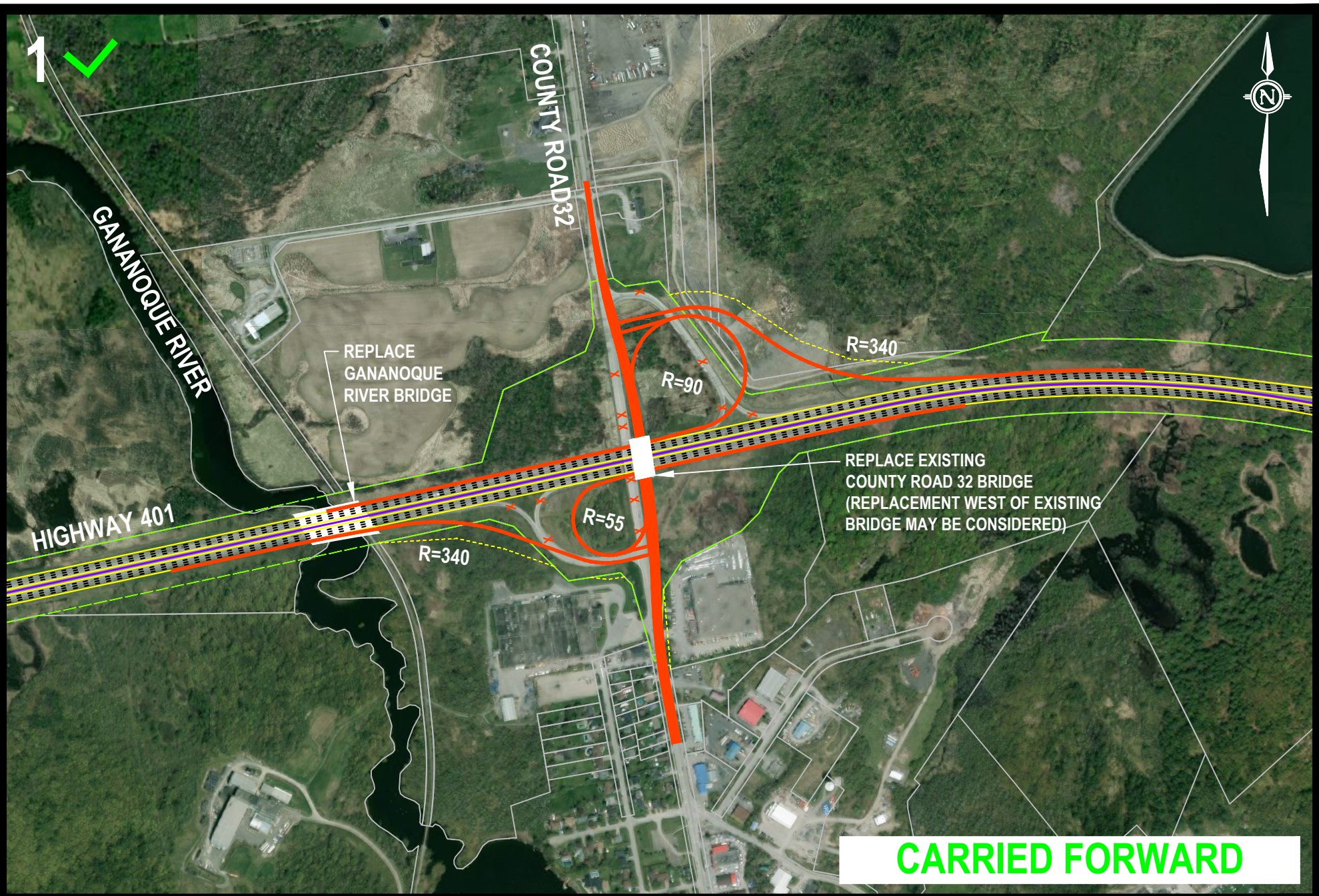


COUNTY ROAD 32 INTERCHANGE - LONG LIST ALTERNATIVES



ALTERNATIVE 1 - PARCLO A2

DESCRIPTION:

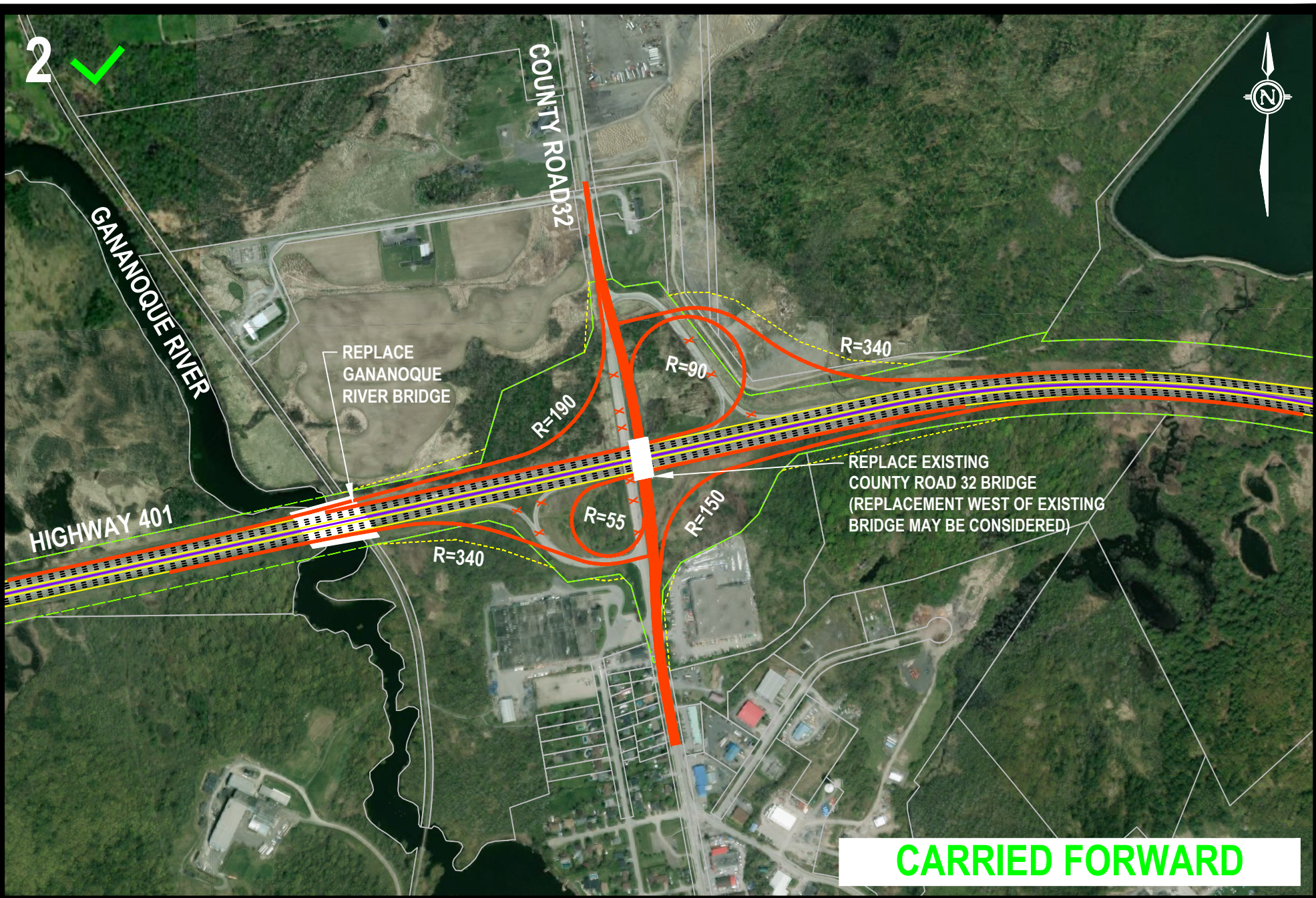
- Parclo A-2 interchange configuration
- Realignment of County Road 32 to the east for staging of replacement structure;
- Re-construction of existing ramps with improved radii

ADVANTAGES

- Additional weaving distance along Hwy 401 EB to Thousand Islands Pkwy relative to other options
- Lowest impacts to natural environment and potential for archaeological impacts;

DISADVANTAGES

- Less desirable left-turns required for northbound to eastbound and southbound to westbound movements resulting in increased collision risk and potential for operational issues;
- Reduced weaving distance along Hwy 401 WB to Thousand Islands Pkwy relative to Alternative 5;



ALTERNATIVE 2 - PARCLO A4

DESCRIPTION:

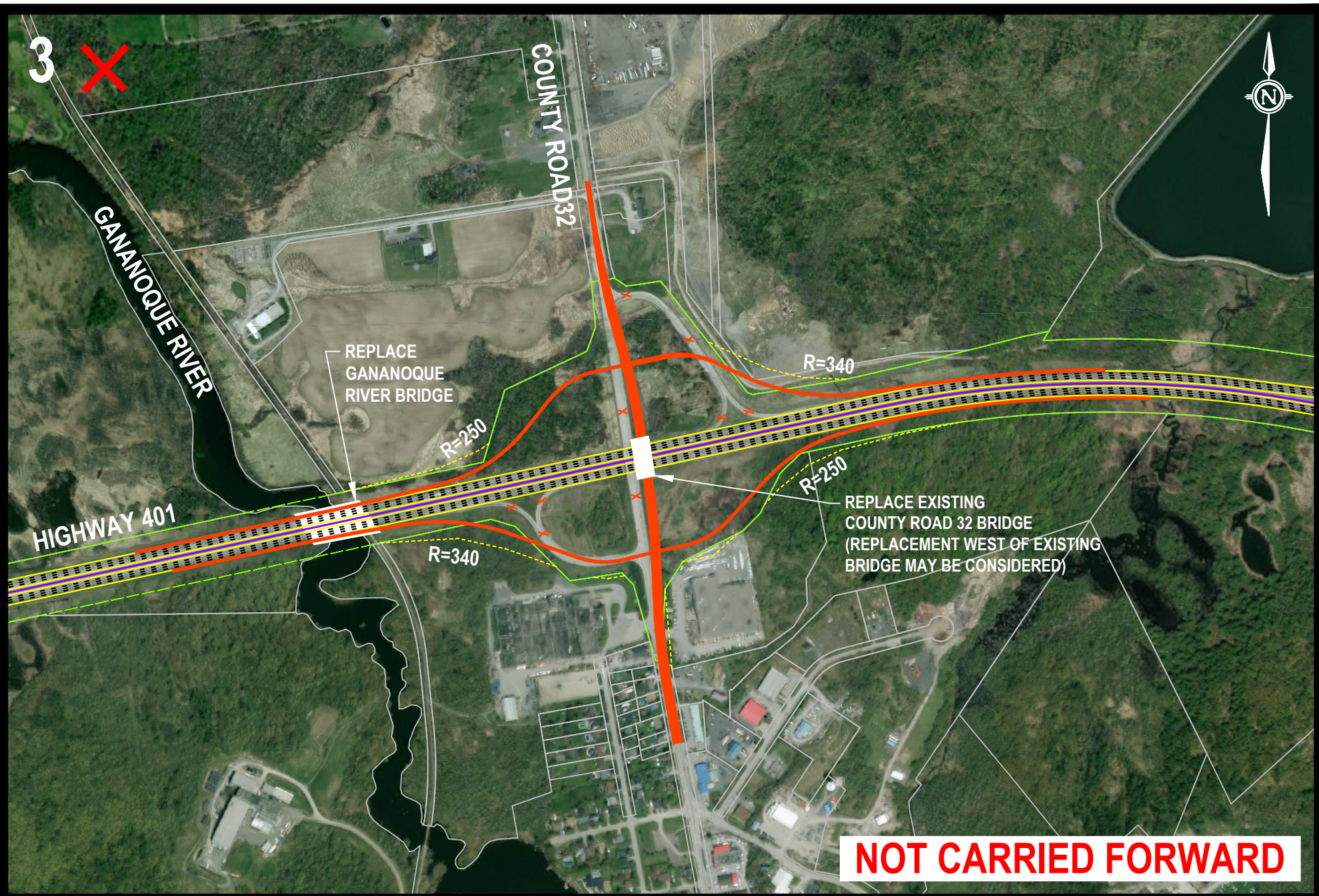
- Parclo A-4 interchange configuration
- Realignment of County Road 32 to the east for staging of replacement structure;
- Addition of new directional on-ramps and re-construction of existing ramps with improved radii

ADVANTAGES

- Most desirable interchange configuration including improved operations and reduced collision risk with directional moves for all maneuvers

DISADVANTAGES

- Reduced weaving distance along Hwy 401 EB and WB to Thousand Islands Pkwy relative to Alternatives 1 and 5;
- Moderate-High impacts to natural environment and potential for archaeological impacts relative to other alternatives;
- Highest construction cost



ALTERNATIVE 3 - DIAMOND

DESCRIPTION:

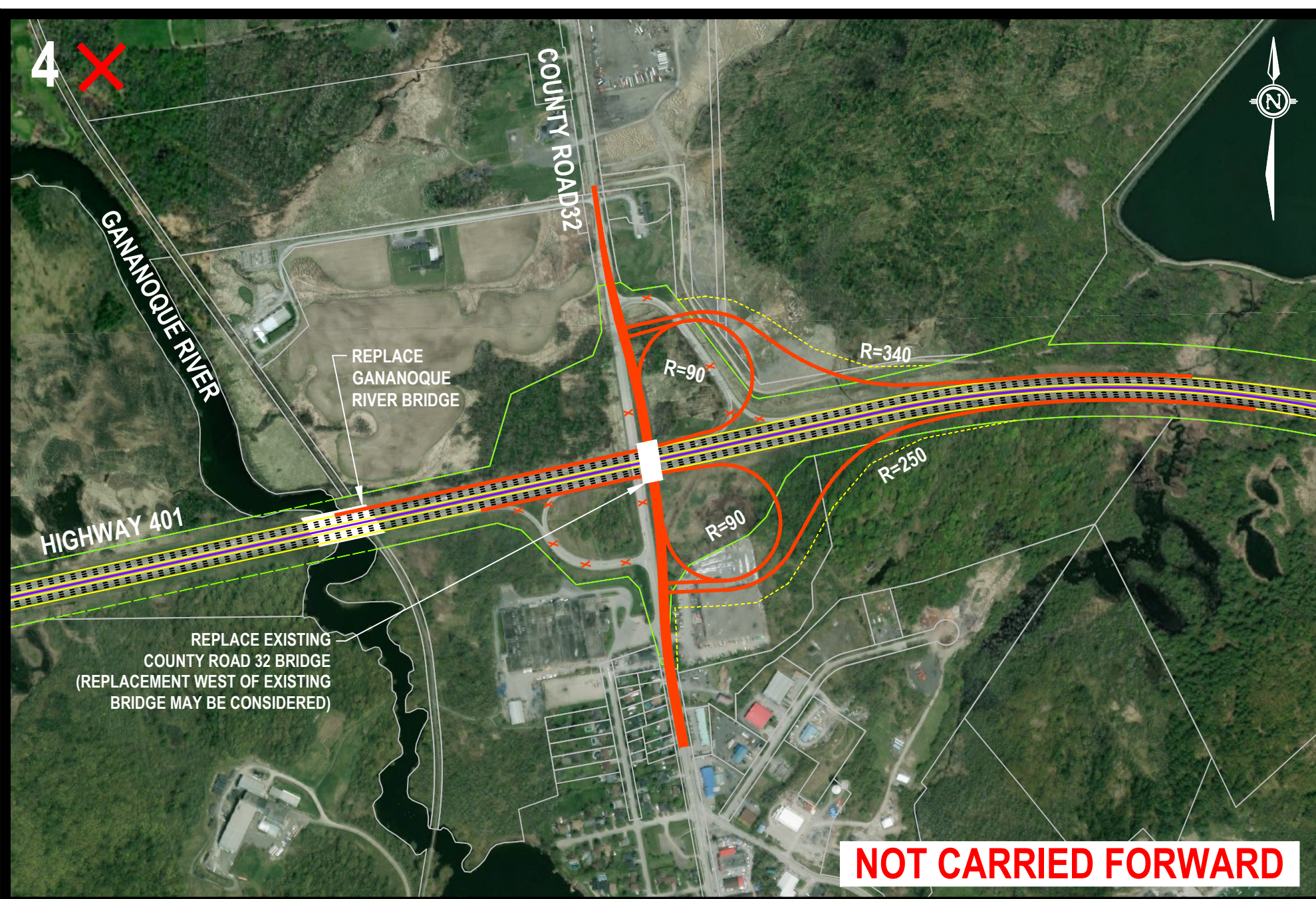
- Diamond interchange configuration
- Realignment of County Road 32 to the east for staging of replacement structure

ADVANTAGES

- Slightly greater intersection / access spacing north of Highway 401 relative to other options

DISADVANTAGES

- Less desirable left-turns required for northbound to westbound and southbound to eastbound movements resulting in increased collision risk and potential for operational issues;
- Reduced weaving distance along Hwy 401 EB and WB to Thousand Islands Pkwy relative to Alternatives 1 and 5
- Greatest impacts to natural environment and potential for archaeological impacts;



ALTERNATIVE 4 - PARCLO AB TO EAST

DESCRIPTION:

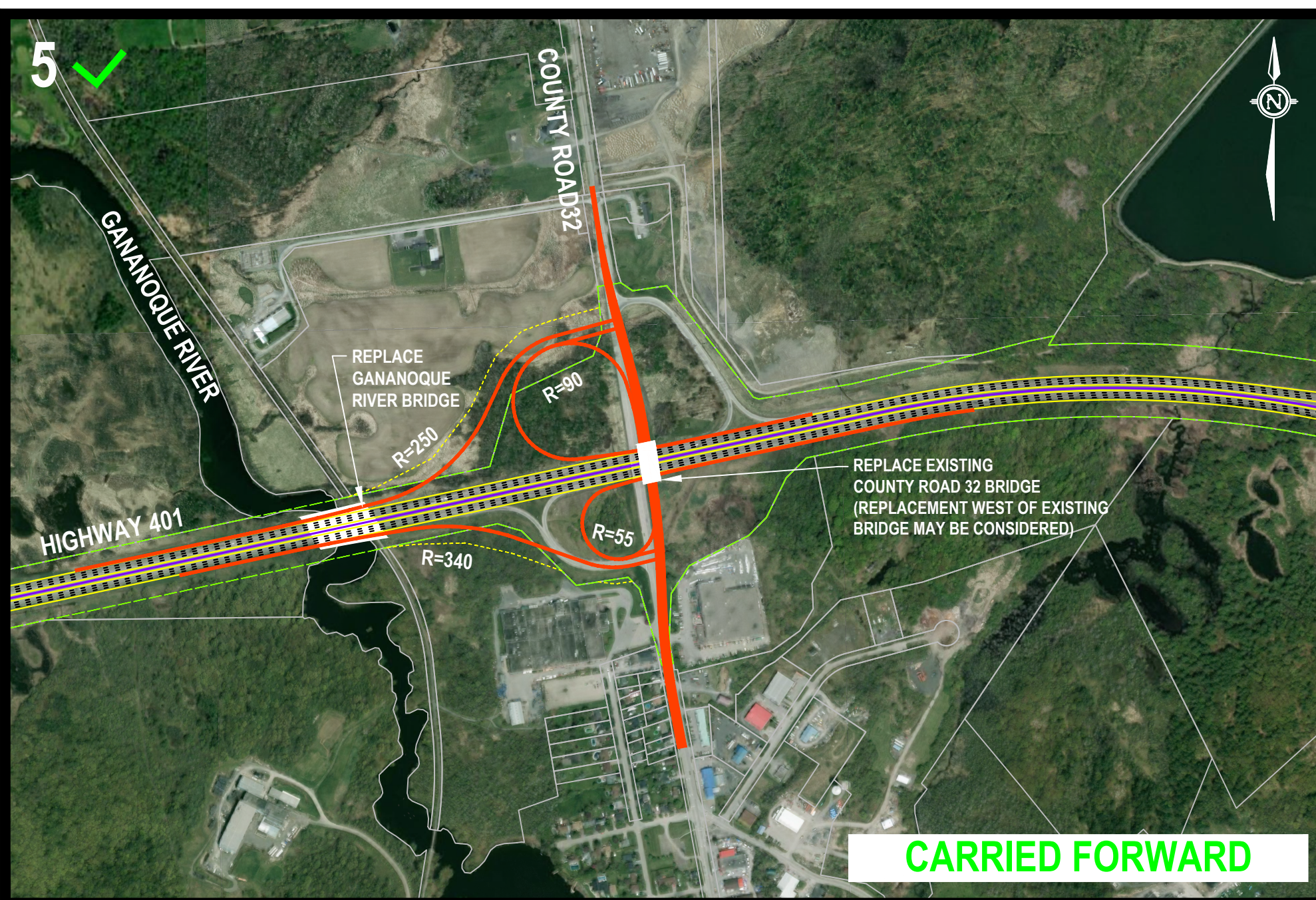
- Parclo AB interchange configuration with eastbound B-loop off-ramp
- Realignment of County Road 32 to the east for staging of replacement structure

ADVANTAGES

- Avoids eastbound speed change lane across Gananoque River bridge
- Lower construction cost than other alternatives

DISADVANTAGES

- Eastbound B-loop off-ramp less desirable than other configurations with increased collision risk;
- Less desirable left turns required for southbound movements to Highway 401 eastbound and westbound resulting in increased collision risk and potential for operational issues;
- Reduced intersection / access spacing south of Highway 401 relative to other options
- Displacement of commercial property in southeast quadrant



ALTERNATIVE 5 - PARCLO AB TO WEST

DESCRIPTION:

- Parclo AB interchange configuration with westbound B-loop off-ramp
- Realignment of County Road 32 to the east for staging of replacement structure

ADVANTAGES

- Improved weaving distance along Hwy 401 EB and WB between Thousand Islands Pkwy and County Road 32 ramps relative to other options;
- Impacts to natural environment generally limited to west side of interchange

DISADVANTAGES

- Westbound B-loop off-ramp less desirable than other configurations with increased collision risk;
- Left-turns required for northbound to eastbound and westbound movements resulting in increased collision risk and potential for operational issues;

LEGEND

- EXISTING MTO RIGHT-OF-WAY
- EXISTING PROPERTY LINES
- COUNTY ROAD 32 INTERCHANGE ALTERNATIVE
- PROPOSED BRIDGE
- PROPOSED PROPERTY REQUIREMENT
- ✗ REMOVAL